101.5 - Gases in Ferrous Metals (rod form)

These SRMs are for determining oxygen and nitrogen by vacuum fusion, inert gas fusion, and neutron activation methods.

For further information see SP 260-14

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

			Elemental Composition (mass fraction, in %)		
SRM	**Description**	**Unit of Issue**	**Oxygen (in mg/kg)**	**Nitrogen (in mg/kg*)**	**Hydrogen (in mg/kg)**
[1]1089[†,§]	Steels, Set (consists of SRMs 1095, 1096, 1097, 1098 and 1099)	5 rods			
[1]1090[†]	Ingot Iron, Oxygen	rod	491	(60)	
1091a	Stainless Steel (AISI 431)	rod	132.2	(876)	
1093	Valve Steel, Oxygen	rod	60		
1094	Maraging Steel	rod	4.5	(71)	
1754	Steel (AISI 4320)	rod	24	81	
1755	Nitrogen in Low Alloy Steel	disk		118.4	

[†] These SRMs are sold only as a set designated SRM 1089.

[§] *SRM 885 values are mass fractions, in %

[1] These SRMs are sold only as a set designated SRM 1089.

Values in parentheses are not certified and are given for information only.